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**AMENDMENTS TO THE SPECIFICATION**

Please insert the following after line 23 of page 16 in the specification.

The SSR profile of Inbred PH4GP can be found in Table A.

Table A

Public Name of Marker	bin #	PH4GP base pairs
phi427913	1.01	129.38
bnlg1014	1.01	131.78
phi056	1.01	249.32
bnlg1083	1.02	221.86
bnlg1127	1.02	114.36
bnlg1953	1.02	247.56
bnlg1429	1.02	190.09
bnlg1627	1.02	202.70
phi109275	1.03	126.31
phi339017	1.03	145.56
bnlg1203	1.03	308.35
bnlg1484	1.03	135.90
bnlg2086	1.04	219.49
bnlg1057	1.06	274.00
bnlg1041	1.06	194.58
bnlg1556	1.07	203.76
phi323065	1.08	329.53
phi335539	1.08	88.58
phi423298	1.08	133.68
phi002	1.08	73.53
bnlg1331	1.09	121.03
phi011	1.09	226.98
phi308707	1.10	131.11
phi227562	1.11	312.95
phi265454	1.11	234.33
phi064	1.11	94.65
phi96100	2.01	293.37
bnlg1017	2.02	175.37
bnlg2277	2.02	296.34

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Public Name of Marker	bin #	PH4GP base pairs
bnlg1064	2.03	190.27
bnlg1018	2.04	134.33
bnlg1909	2.05	304.05
bnlg1138	2.06	222.14
bnlg1396	2.06	136.79
bnlg1831	2.06	193.90
phi251315	2.07	123.79
phi427434	2.08	121.46
phi435417	2.08	217.99
bnlg1940	2.08	214.68
phi127	2.08	109.62
bnlg1520	2.09	285.85
phi453121	3.00	223.43
phi104127	3.01	162.19
phi404206	3.01	303.14
bnlg1144	3.02	134.68
bnlg1647	3.02	137.52
bnlg1523	3.03	264.89
bnlg1019	3.04	155.02
bnlg1113	3.04	128.41
bnlg1452	3.04	125.59
bnlg1035	3.05	112.85
phi053	3.05	171.68
phi102228	3.06	126.84
bnlg1160	3.06	220.49
phi072	4.00	141.56
phi213984	4.01	284.60
bnlg1162	4.03	126.15
phi308090	4.04	218.64
phi096	4.04	234.58
phi438301	4.05	211.81
bnlg1159	4.05	147.81
bnlg1755	4.05	240.07
bnlg1937	4.05	227.36
bnlg1265	4.05	221.50
phi079	4.05	187.36
bnlg1189	4.07	138.12
bnlg2244	4.08	199.58
bnlg1006	5.00	241.20
phi109188	5.03	161.52
bnlg653	5.04	156.23

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Public Name of Marker	bin #	PH4GP base pairs
phi330507	5.04	140.46
phi331888	5.04	130.72
bnlg1208	5.04	118.88
phi333597	5.05	216.51
phi085	5.06	250.16
bnlg1118	5.07	82.56
bnlg1711	5.07	176.65
phi423796	6.01	128.39
phi389203	6.03	306.15
phi452693	6.04	123.30
phi445613	6.05	96.95
bnlg1174	6.05	218.72
phi299852	6.07	117.30
phi364545	6.07	131.46
bnlg1740	6.07	230.27
bnlg1759	6.07	125.81
phi070; umc1063	6.07	83.47
phi034	7.02	119.55
bnlg2271	7.03	233.69
phi260485	7.05	285.39
phi051	7.05	138.57
phi069	7.05	195.31
phi116	7.06	164.92
phi420701	8.00	289.29
bnlg1194	8.02	174.99
bnlg2082	8.03	172.52
phi115	8.03	290.66
phi121	8.03	93.90
bnlg2046	8.04	326.12
bnlg1176	8.05	217.94
bnlg1152	8.06	148.42
bnlg1065	8.07	226.87
bnlg1056	8.08	110.49
phi015	8.08	79.78
phi233376	8.09	152.17
bnlg2122	9.01	237.09
bnlg1012	9.04	161.54
phi032	9.04	231.00
phi236654	9.05	117.08
bnlg1375	9.07	164.93

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Public Name of Marker	bin #	PH4GP base pairs
bnlg1129	9.08	300.56
phi041	10.00	202.94
phi96342	10.02	245.07
phi059	10.02	153.35
bnlg1079	10.03	172.22
bnlg1655	10.03	126.51
phi050	10.03	83.27
phi301654	10.04	128.33
phi062	10.04	157.81
phi323152	10.05	141.15
bnlg1074	10.05	177.82
bnlg1185	10.07	151.61
bnlg1450	10.07	177.71
phi109642	2.03/2.04	148.23
bnlg1720	1.09/1.10	236.44
phi448880	9.06/9.07	176.99